

**METHOD OF PREPARING A PROTEIN ARRAY BASED ON
BIOCHEMICAL PROTEIN-PROTEIN INTERACTION**

ABSTRACT OF THE DISCLOSURE

5 A method of preparing a protein array based on biochemical
protein-protein interaction is provided. An array of a
first protein which comprises a PDZ domain is deposited on
a substrate. A second protein, which comprises an amino
acid sequence (S/T)-X-(V/I/L)-COOH (each hyphen represents
10 a peptide bond, each parenthesis encloses amino acids which
are alternatives to one other, each slash within such
parentheses separates the alternative amino acids, and the
X represents any amino acid which is selected from the
group comprising the twenty naturally occurring amino
15 acids), is applied to the first protein array. The amino
acid sequence (S/T)-X-(V/I/L)-COOH of the second protein is
bound to the PDZ domain of the first protein.

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